

### REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: claims 1, 3, 5 – 7, and 10 – 20 are allowable over prior art of record.

As per claim 1, 3, 5 – 7, and 10 – 20, the prior art of record failed to teach a system comprising a transmitter element creating an interrogation signal and transmitting the interrogation signal; and a receiver element receiving and demodulating a reflection signal of the interrogation signal and combining the reflection signal and a feedback signal to cancel at least a portion of radio frequency echo signals in the reflection signal, wherein the reflection signal comprises an error component comprising interrogation signal energy reflected from objects in an environment other than a radio frequency tag, and wherein the feedback signal comprises the at least a portion of radio frequency echo signals comprising the error component at lower frequencies than a data signal of interest; wherein the feedback signal is derived by isolating the error component of the reflection signal, and wherein the error component of the reflection signal is isolated by low pass filtering the reflection signal as claimed in independent claim 1 and similarly claimed in independent claim 10 and 18. Therefore claims 1, 3, 5 – 7, and 10 – 20 are novel and non-obvious over prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAISON JOSEPH whose telephone number is (571)272-6041. The examiner can normally be reached on M-F 9:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on (571) 272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. J./  
Examiner, Art Unit 2611

/CHIEH M FAN/  
Supervisory Patent Examiner, Art Unit 2611